

United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FI	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/623,758	07/21/2003		James A. Hill	HORI 0131 PUS	4852
22045	7590	11/01/2005		EXAMINER	
BROOKS I			NOLAND, THOMAS		
1000 TOWN TWENTY-S			ART UNIT	PAPER NUMBER	
SOUTHFIE			2856		
•				D. TEL MAIL ED 11/01/000	-

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)			
•		10/623,758	HILL, JAMES A.			
Office Action	Summary	Examiner	Art Unit			
		Thomas P. Noland	2856			
The MAILING DATE Period for Reply	of this communication app	pears on the cover sheet with the o	correspondence address			
A SHORTENED STATUT WHICHEVER IS LONGE - Extensions of time may be availat after SIX (6) MONTHS from the r - If NO period for reply is specified - Failure to reply within the set or e.	R, FROM THE MAILING Down the provisions of 37 CFR 1.1 pailing date of this communication. The provisions of 37 CFR 1.1 pailing date of this communication. The provision of the	Y IS SET TO EXPIRE 3 MONTHOM ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be time will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE and a date of this communication, even if timely filed.	N. mely filed the mailing date of this communication. ED (35 U.S.C. § 133).			
Status						
2a) ☐ This action is FINAl 3) ☐ Since this application	on is in condition for allowa	ugust 2005. action is non-final. nce except for formal matters, pro Ex parte Quayle, 1935 C.D. 11, 4				
Disposition of Claims						
4a) Of the above cla 5) ☐ Claim(s) is/a 6) ☒ Claim(s) <u>9</u> is/are rej 7) ☒ Claim(s) <u>1-8 and 10</u>	ected.	vn from consideration.				
•	ship stad to by the Everying	-				
10) The drawing(s) filed Applicant may not red Replacement drawing	uest that any objection to the sheet(s) including the correct	er. epted or b) objected to by the drawing(s) be held in abeyance. Se tion is required if the drawing(s) is ob caminer. Note the attached Office	ee 37 CFR 1.85(a). ojected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 1	19					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s) 1) Notice of References Cited (P	TO-892)	4) 🔲 Interview Summary	v (PTO-413)			
2) D Notice of Draftsperson's Pater		Paper No(s)/Mail D				

Application/Control Number: 10/623,758

Art Unit: 2856

1. The amendment filed Aug. 10, 2005 has been entered. In view of the amendment claims 1 and 14 to the invention elected to be examined or which were not excluded thereby have been found to contain allowable subject matter. In view of this holding with respect to claim 1 claims 2-13 and 15-17 dependent thereon have also been examined.

Page 2

- 2. Claims 1-17 are objected to because of the following informalities: In claim 1, line 7 to better comply with 37 CFR 1.75(a) after "front" - from the pulse generator - should be inserted to better clarify that it is the wave front inherently formed from the acoustic pulse generation. Appropriate correction is required.
- 3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

 The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 4. Claim 9 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

There is no proper antecedent for "the high temperature glass fusing of the sleeve and core" in claim 9, lines 1-2.

- 5. Claims 1-8 and 10-17 would be allowed if claim 1 is amended as suggested in paragraph 2 above.
- 6. Claim 9 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

Application/Control Number: 10/623,758 Page 3

Art Unit: 2856

7. Nonelected claims 18-29 are directed to an invention that is independent or distinct from the invention examined because of the original election for the following reasons: Claims to the invention examined because of the original election now additionally require the limitation of "the buffer assembly guiding the wave front toward the fluid" which is not required by the claims of originally nonelected claims 18-29. Since claims 18-29 include the additional limitations with respect to claims 1-17 noted in the original restriction requirement and claims 1-17 now have a limitation not required in claims 18-29 the inventions are independent and distinct and since the invention to the group that did not exclude claim 1 was originally elected this invention is held to remain the one elected.

Since applicant has received an action on the merits for the originally presented invention, this invention has been constructively elected by original presentation for prosecution on the merits. Accordingly, claims 18-29 are withdrawn from consideration as being directed to a non-elected invention. See 37 CFR 1.142(b) and MPEP § 821.03.

- 8. Applicant's arguments with respect to claim 1 to the extent they apply to rejected claim 9 have been considered but are moot in view of the new ground(s) of rejection.
- 9. Applicant's amendment since requiring rejoinder of a now rejected claim necessitated the new ground(s) of rejection presented in this Office action. Accordingly, THIS ACTION IS MADE FINAL. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

Application/Control Number: 10/623,758 Page 4

Art Unit: 2856

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within

TWO MONTHS of the mailing date of this final action and the advisory action is not

mailed until after the end of the THREE-MONTH shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and any

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later

than SIX MONTHS from the date of this final action.

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tom Noland whose telephone number is (571) 272-

2202. The examiner can normally be reached on weekdays from 9:00 to 5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Mr. Hezron E. Williams, can be reached on (571) 272-2208.

The fax phone number for the organization where this application or proceeding

is assigned is (571) 273-8300.

Any inquiry of a general nature or relating to the status of this application or

proceeding should be directed to 2800 Customer Service at (571) 272-2815.

Thomas P. Noland Primary Examiner Art Unit 2856

Thomhold

Oct. 30, 2005